INDEX OF AUTHORS

Page numbers in italics refer to contributions, the others to the reference lists at the end of papers

Adamson, R., 125
Ahmad, S. I., *470-471*
Alexander, P., 336
Alfert, M., 46
Allard, R., 137, 237, 300, 385, 431, 561, 588
Allfrey, V., 46
Allison, A. C., 490
Allison, M. J., *168*
Anderson, E., 21
Anscombe, F. J., 431
Anstey, T., 125
Antonovics, J., *205-218*, 217, *219-238*, 237, 238, *507-524*, 524
Apte, N., 21
Arkell, W. J., 187
Armitt, Susan, *467-468*, *468*
Arnon, D. I., 385
Ashton, E., *317-319*
Ashton, G., 65
Ashworth, J. M., *474*
Aston, J. L., 108, 187, 217
Atkin, Niels, B., 604
Atkinson, G., 141
Atteck, O. M., 278
Aula, P., 149
Ayala, F. J., 442
Ayonoadu, U. W. U., *164*
Ayyangar, G., 21
Auerbach, C., 256

Babcock, E. B., 217, 604
Bacq, Z. M., 336
Bailey, D. W., 198
Bainbridge, B. W., *165*
Baker, Bruce, *611-614*
Baker, H. G., 217, 237
Bakker, K., 442
Bannister, M. H., 237
Baramki, A., 159
Barer, R., 38
Barker, J. F., *81-98*, 431
Barlow, P. W., *625*
Barnes, B. W., *433-442*, 442, 561, *563-572*, 571
Barron, D. H., 491
Bartalos, M., 159
Bartfield, H., 149
Barth, P. T., *470-471*
Bartlett, M. S., 431
Barton, D. M., *149-151*
Bascombe, S., 551
Bateman, A., 125, 336, 431, *468*, 624
Battaglia, B., 204, 491
Bautz, E., 256
Baxter, M., 117, 401
Beacham, I. R., *470-471*
Beadle, G. W., 204
Beardmore, J. A., 442, *457*
Becak, M. L., 604
Becak, W., 604
Beddows, A. R., 237
Beermann, W., 46, 604
Bell, A. E., *477-483*, 483
Bencosme, S., 46
Bennett, Isobel, 490
Bennett, M. D., *624*
Benzer, S., 256
Berg, I., 66
Bergerson, F. J., 551
Bernstrom, P., 217
Berry, R. J., 490
Bery, J. M., 610
Bevan, E., 117, *475*, *476*
Billington, W. D., 152
Birch, L., 204, 442
Blakeslee, A., 141
Bliss, C. I., 431
Bloomberg, W. J., 244, 245
Boam, T., 22, 108
Böcher, T. W., 217
Bodmer, W. F., 561, 610
Bond, D. A., 300
Bonner, D., 117
Bonnier, G., 571
Borrill, M., 300
Bournberg, S., *168*
Bouw, J., 66
Bowen, C. C., 150
Boyd, D., 117
Bradshaw, A., 108, 137, 187, 188, 217, 218, 524
Braend, M., 66
Breese, E. L., 237, 300, *357-368*, 368, 442, 571
Brice, C. B., *469*
Bridges, B. A., *166*, *470*
Bridges, C. B., 610
Bridges, J. H., 610
Broadhurst, P. L., 572
Brock, R. D., 336
Broker, W., 217, 524
Brower, J. Van Z., 490
Brower, L. P., 490
Brown, D., 46, 256
Brown, R., 150
Brown, S. W., 610
Brunnerstedt-Hansen, E., 66
Bucio Alanis, L., 137, 356

Bufton, A. J. W., 452
Bumpus, H. C., 442
Burdick, A. B., 336
Bürk, R. R., *162*
Burla, H., 204
Burnham, C. R., 79
Burns, J. A., 604, 605
Burton, G., 21
Buschmann, H., 66
Butcher, A. C., *443-452*
Butcher, J. C., 431
Butler, L., 256
Bywaters, J. F., 262

Cain, A. J., 97, 187, 188, 490
Callan, H., 46
Cameron, F. M., 310, 605
Cannings, C., *163*
Carson, H. L., 204, 442
Casady, A., 21
Caten, C. E., 451, 452
Cavalli, L. L., 571
Ceppellini, R., 97
Chang, W. T., 336
Chargaff, E., 604
Charles, A. H., 368
Charlesworth, B., *630*
Chatterjee, S., 125
Chayen, J., 38
Chung, C. S., 158
Claasen, C. E., 431
Clapham, A. R., 605
Clark, C. E., 431
Clarke, B., 152, 188, *189-198*, 198, 524
Clarke, C. A., 217, 277
Clarke, C. H., *163*
Clarke, C. M., 610
Clausen, J., 21, 217
Clayberg, C. D., 256
Clayton, G. A., 336, 401, 442
Clayton, W., 21
Clutterbuck, A. J., *165*
Cochran, W. G., 356, 605
Cockerham, C. C., 368, 588
Coddington, A., *627*
Cohen, C., 66
Cohen, S., *626*
Commoner, B., 605
Comstock, R. E., 409
Conger, A. D., 151
Connolly, V., *387-402*, 401
Cook, L. M., 188
Coon, Carleton S., 317-319
Cooper, B. E., 588
Cooper, D., *49-66*, 490, *614-617*, 617
Cooper, J. P., 300, 368, 385
Costantino, R. F., *477-483*, 483
Costello, W., 117
Court, M., 21
Court-Brown, W. M., 458-459
Cox, E., 141
Crampton, H. E., 198
Crawford, M. H., 490
Crawford, R., 138
Creed, E. R., 217
Croft, J. H., 452
Crosby, J. L., 218, 237, 524
Crow, J. F., 617
Crumpacker, D. W., 385
Currey, J. D., 188

Da Cunha, A. B., *199-204*, 204
Daday, H., 455
Daly, K., 336
Darlington, C., 79, 204, 310, 368, 605, 610
Das, N., 46
Datta, S., 66
Davern, C. I., 588
Davies, Alison, *624*
Davies, D. R., 146
Davies, H., 38
Davies, W. E., 237
Davis, P. E., 524
Dawson, C. D. R., 455
Dawson, T. J., 490
Day, J. C. L., *169-188*
Day, P., 117
De Castro, D., 46
Dee, Jennifer, *474*
Deeley, E., 38
De la Chapelle, A., 149
Delcour, J., *153-156*
Deneen, M. E., 336
Dermen, H., 141
De Sousa, A., 108
Deuber, C. G., 245
De Wit C., 108, 237
Dice, L. R., 490
Dickinson, A. G., 300, 385
Dilly, M., 150
Diver, C., 97
Dobzhansky, Th., 155, 204, 218, 278, 336, 442, 614
Doggett, H., *1-23*, 21
Domaniewska-Sabezak, 491
Domingo, W. E., 431
Dorfman, B., 117
Dowdeswell, W. H., *169-188*, 188, 217
Drayner, J. M., 431
Drew, C. D., 188
Duara, B. N., 21
Duncan, D. B., 245
Dunn, E. R., 442
Dunn, S., 245
Durrant, A., 38, 310, 368
Dyer, K. F., *630*
Dykeman, W., 108

Eberhart, S. A., 356
Ebersold, W. T., 146
Edward, J. H., *158-159*
Edwards, A. W. F., *163*, *319-320*, *628*
Edwards, K. J. R., *311-312*, *312*, *317*, 368

Ehrenberg, L., 256
Ehrlich, P. R., 614
Ehrman, L., 218
Eisen, H., *476*
Eisenhart, C., 588
Ellingboe, A., 117
Ellinhoe, A. H., 401
Elliot, P. O., 442
Ellis, J. R., *149-151*
Emmel, T. C., 614
Emsweller, S. L., 605
Endean, R., 490
Endrizzi, J., 21
Englert, D. C., 483
Epling, C., 204
Essen-Möller, E., 319-320
Evans, G., *25-38*, *301-310*, 310
Evans, H. J., 458-459, *473-474*
Evans, J. V., 490
Evans, L., 138

Fahmy, M. J., 256
Fahmy, O. G., 256
Fairchild, L. M., 151
Falconer, D., 137, 198, 401, 442, 505
Falk, R., 336
Fallon, G., 65
Farmer, E., *239-245*, 245
Farquharson, L., 21
Federer, W. T., 401
Fejer, S. O., 368
Felsenstein, J., 561
Fennell, D. I., 452
Fergus, E. N., 551
Ferguson, Helen M., *628*
Ferguson-Smith, M. A., 149
Fesüs, L., 66
Fincham, J., *67-72*, 72
Finlay, K., 138, 356
Fischberg, M., 46
Fisher, R. A., 97, 278, 336, 431, 571, 572, 588, 610, 617
Fisher, W., 125
Ford, C. E., 610
Ford, E. B., 188, 217, 278, 490, 524
Foster, A., 141
Frahm, R. R., 505
Franca, Z. M., *199-204*
Franks, D., *465-466*
Franzke, C., 141
Freese, E., 256
Freese, E. B., 256
Frey, K. J., 336, 589
Fryxell, P. A., 431
Fulker, D. W., *460-463*
Fyfe, J. L., *466*

Gahne, D., 66
Gairdner, A. E., 79
Gale, J. S., 442, *553-561*, *617-620*, 620
Galinat, W. C., 524
Gall, J., 46
Galton, F., 156
Garber, E., 21
Gardner, C. O., 336
Gardner, E. J., 278
Garnjobst, L., 451
Garrett, A., 198
Garrido, M. C., *199-204*
Gaul, H., 588
Gause, G. F., 188
Geissman, T., 141
German, J., 149
Gerstel, D. U., 604, 605
Gibson, I., *628-629*
Gibson, J., 21, 22, 218, 442
Gichner, T., 337
Giles, N., 117
Goldschmidt, R., 278
Goodhart, C. B., 188
Gotoh, K., 588
Gowe, R., 138
Gower, J. C., 431, 432
Grant, K., 218
Grant, V., 218
Grasel, C., 21
Gregory, R. P. G., 238
Gregory, W. C., 336
Gries, B., 524
Griffing, B., 138
Griffiths, D. J., 524
Grindle, M., 451, 452
Grosclaude, F., 66
Gross, J. D., *476*
Grun, P., 46, 218
Gurdon, J., 46
Gustafsson, A., 256

Hadley, H., 21
Hagopian, H., 491
Haldane, J. B. S., 97
Hall, H. M., 217
Hamon, B. V., 490
Handmaker, S. D., 149
Hanover, J. W., 385
Hansen, A. M., 278
Hanway, D. G., 336
Harberd, D. J., 368
Harborne, J., 141
Harding, J. A., 431
Hardy, W. S., 151
Harland, S. C., 278
Harold, R. J., *628*
Harper, J., 108
Harris, H., 46, 490
Harrison, B. J., *66-72*, 72, 442, 505
Harrison, R. J., 463
Hartley, H. G., 617
Hartman, W. D., 198
Harvey, B., 141
Haskell, G., *139-141*, 141, 621
Hastings, P. J., 146

Hatheway, W., 21
Hayberg, A., 588
Hayman, B. I., 300, 368, 385, 409, 431, 451, 572, 588
Hayman, D. L., 610
Hayward, M. D., *357-368*, 368, 386, 588, *624*
Hazarika, M. H., 310, 605
Hecht, M. K., 442
Heimburger, M., 605
Heino, V., 149
Hellegers, A., 491
Hemmons, L. M., 452
Henderson, S., 46, 310
Hernandez, X., 22
Hess, O., 46
Hewitt, G. M., 605, *630*
Hiesey, W., 21, 217
Hill, J., 300, 356, *624*
Hines, W. J. W., *468*
Hirota, Y., *476*
Hirsch, J., 460-463
Holland, I. B., *471*
Holliday, R., 146, *475*
Hollowell, E. A., 551
Holt, S. B., 278, *460*
Holz, B. W., 431
Hopwood, D. A., *628*
Howard, H. W., *625*
Hsu, T., 21
Hu, C. H., 336
Hubby, J. L., 524
Hull, F. H., 572
Hull, P., 138
Hutchinson, J., 21
Hutt, F. B., 262

Imam, A. G., 237
Immer, F. R., 572
Innes, N. L., 431
Ioffe, A. F., 151
Irwin, M., 66
Isherwood, P. A., 151
Izawa, 46

Jacobson, T. S., 149
Jain, S. K., 108, 188, 218, *247-256*, *411-432*, 431, 432, 524, 561
Jalil, M. A., 336
James, D. A., 152
James, J. W., 505
Jamieson, A., 66, *629*
Jayant, K., 442
Jelencovic, G., 141
Jenkin, T. J., 237, 300
Jinks, J. L., 138, 300, *339-356*, 356, 368, 385, 386, 401, 402, *403-409*, 409, 451, 452, *525-535*, 535, 572, 588
John, B., 79, 310, 605, *630*
Johnson, A., 125
Johnson, E. C., 588
Johnson, R., *623*
Johnston, T. D., *457-458*
Jones, D. A., 452, *453-455*, 455
Jones, G. H., 38, 310, *458-459*, 605
Jones, H. A., 605
Jones, K., 300
Jones, M. D., 22
Jones, O. T., 237
Jones, R. Morley, 356, 572
Jones, R. N., *164*, *591-605*, 605
Jowett, D., 22, 108, 218, 524
Julen, G., 238
Jund, E., 245

Kakati, S., *146-149*
Kakizaki, Y., 125, 431
Kalmus, H., *157*
Kalnins, V., 46
Kao, K. N., 336
Karn, M. N., 442
Karper, R., 22
Kearsey, M. J., *403-409*, *553-561*, 561, 572, *617-620*, 620
Kelleher, T., 505
Keller, E. C., 572
Kemp, C. D., 300, 386
Kempthorne, O., 143, 572
Kenny, R., 490
Kerr, E. A., 256
Kettlewell, H. B. D., 490
Keyl, H. G., 605
Khadr, F. H., 336
Khamankar, Y. G., *247-256*
Kheiralla, A. I., 386
Khoshoo, T., 79
Kiddy, A., 66
Killer, P. C., 218
Kimura, M., 432, 561
King, J. C., 218
King, J. M. B., 97
King, J. W. B., 401
Kinne, O., 490
Kirby, D. R. S., 152
Kirk, John T. O., 621-622
Kitagawa, O., 336, 337
Kivalo, E., 149
Knight, G. R., 218
Kojima, K., *493-506*, 505, 506, 561, 572
Koltin, Y., 117, 401
Komai, T., 204
Kopec, A. C., 491
Kornberg, H. L., *469*
Kovacs, G., 66
Kratochvil, C. H., 465-466
Krause, M. O., 605
Krieg, D. R., 256
Kruckeberg, A. R., 218
Krummen, H., 66

Lacy, A., 117
Lafontaine, J., 46
Lamb, B. C., *474*

Lamotte, M., 98, 188
Lamprecht, M. P., 386
Lancaster, F. M., *257-262*
Lang, A., 98
Langer, R. H. M., 368
Langridge, J., 138
Latter, B. D. H., 336
Lavalle, D., 604
Law, C. N., *623*
Lawrence, C. W., 79, *143-146*, 146, *321-337*, 336, 386, *573-589*, 588
Lawrence, M. J., 442, 572, 588
Lawrence, P., *313-314*
Lee, B. T. O., 401
Lehmann, H., *312-313*, *464*
Lerner, I., 125, 245, 336
Leroux, P. R., 337
Leslie, P. H., 431, 432
Leuchtenberger, C., 38
Levan, A., 605
Levine, R., 146
Levins, R., 524
Lewis, D., 117
Lewis, H., 218, 238
Lewis, J. R., 490
Lewis, K. R., 79, *159-161*, 605
Lewontin, R. C., 442, 524, 561
L'Heritier, P., 442
Li, C. C., 98
Libby, W. J., 245
Lie, H., 66
Lin, M., 46
Lindström, G., 66
Lints, F. A., *153-156*
Lloyd, D. G., 238
Lloyd, L., 46
Lodish, Harvey, F., *472*
Loening, U., *625*
Lonnquist, J. H., 588
Lucas, H. L., *493-506*
Lundman, B., 198
Lundquist, U., 256

Macdonald, D. W., *627*
Macdonald, K. D., 452
Mackinnay, G., 386
Macneish, R. S., 524
Macvicar, R. M., 432
Maeda, T., 605
Maguire, M., 22
Maijala, K., 66
Maisenhelder, L. C., 245
Majisu, B. N., *1-23*
Malling, H. V., 256
Mandel, S. P. H., 561
Mangelsdorf, P. C., 22, 524
Mann, T. J., 588
Manwell, C., 490
Marani, A., 588
Markus, J., 66
Marsden-Jones, E. M., 218
Marshall, D. R., *411-432*
Martin, F., 125
Martin, P. G., 605
Mason, L. G., 614
Mather, K., 22, 138, 300, 336, 356, 386, 401, 409, 442, 505, 535, 561, 571, 572, 588, 610, 614
Mathews, B. F., 463
Matousek, J., 66
Matzinger, D. F., 588
Maxwell, L. G. H., 491
Mayr, E., 218, 442, 524
McClintock, B., 72
McLaren, Anne, *626*
McLean, A. S., 458-459
McLeish, J., 38, 605
McNeilly, *99-108*, 108, *205-218*, 218, 238, 524
McWhirter, K. G., 188, 217
Mergen, F., 245
Mertens, R., 442
Meschia, G., 491
Meyer, F., 46
Michaelis, P., 368
Middleton, R. B., 401
Miller, J. R., 149
Miller, W., 66
Millicent, E., 22, 218
Millot, P., 66
Ming-Pi Mi, 158
Mirsky, A., 38, 46
Mitchell, D. F., 572
Mitsuo, 46
Moll, R. H., 588
Møller, I., 66
Moore, D. M., 218, 238
Moore, H. B., 491
Moore, J., 125
Moore, K., *623*
Moran, P. A. P., 561
Morgan, T. H., 204
Morley, F. H. W., 588
Morrill, S., 149
Morris, D., 188
Morris, J. A., 442
Morse, R., 138
Morton, N. E., 158, 432
Mourant, A. E., 491
Moustgaard, J., 66
Mukai, T., 336
Mukherjee, I., 79
Mukherjee, S., 125
Muller, H. J., 336
Munson, R. J., *166*, *470*
Müntzing, A., 79
Murray, J., 188, *189-198*, 198
Myers, C., 125

Naughton, M. A., 491
Naylor, B., 610
Nebel, B., 141
Neimann-Sørensen, A., 66, 617
Nelson, A., 125
Nga, B. H., *626*

Nicol, Patricia I., *485-491*, 491
Niehaus, M. H., 588
Nilan, R. A., 588
Noggle, G., 141
Noll, G., 125
Nutman, P. S., *537-551*, 551

Oddland, M., 125
O'Donald, P., 524
Oehlkers, F., 368
O'Gower, A. K., *485-491*, 491
Ohno, Susumn, 604
Oka, H. I., 336
Okros, Sandor, 460
Olby, R. C., 155, *155-156*, *157-158*
Opsahl, B., 409
Owen, A. R. G., 610
Oyidi, Obamwomi, *607-611*, 610

Palenzona, D. L., 337
Panse, V., 21
Pantelouris, E. M., 315-316, *468*
Papa, K. E., 401
Papazian, H. P., 401
Papoulis, A., 432
Parag, Y., 117
Parker, P. F., *279-300*, 300, *369-386*, 386
Parnell, H. R., 432
Parodi, L., 22
Parry, Elizabeth M., *469-470*
Parry, J. M., *469-470*
Parsons, P., 138, 442, 561, 610
Pateman, J. A., 401
Patterson, J. T., 204
Pavlosky, O., 204, 442
Peak, J. W., 588
Pearson, E. S., 617
Pease, M. S., 262
Pederson, D., *127-138*, 138
Pelling, C., 605
Penrose, L. S., 442
Perkins, Jean, M., *339-356*, 356, *525-535*, 535
Petr, F. C., 589
Petras, M. I., 491
Pickett, R. C., 588
Pimentel, D., 218
Plough, H. H., 610
Plunkett, C. R., 442
Pokorny, V., 337
Polari, P. E., 610
Ponnaiya, B., 21
Pontecorvo, G., 452
Pope, Elizabeth C., 490
Porter, R., 314-315
Poulter, R. T. M., *474*
Prain, D., 22
Prakken, R., 79
Prior, A., 98
Pritchard, R. H., *470-471*, *472*
Puck, T. T., 149
Pugh, B., 21
Purdom, C. E., *629*

Quinby, J., 22

Race, R., 98
Radlow, A., 218
Raiki, S., 312
Randel, J. M., 278
Randolph, L., 141
Rao, V. P., 21
Raper, C., 117
Raper, J., *109-117*, 117, 401
Raper, K. B., 452
Rasmuson, M., 442
Rasmussen, K., *476*
Raudaskoski, M., *109-117*
Rawlings, J. O., 336
Ray-Chaudhuri, S. P., *146-149*
Reddi, K. K., 605
Rees, H., 38, *164*, 300, 310, *591-605*, 605, 610, *621*, *624*
Reeve, E. C. R., 198, 614
Reeves, R., 22
Reichardt, A., 141
Reitalu, J., 149
Rendel, J., *49-66*, 66, 617
Rhoades, M., 72
Richards, F. A., 491
Richardson, R. H., *493-506*, 506
Richter, S., 157
Rick, C. M., 238, 256, 524
Ris, H., 38
Robbelen, G., 337, 589
Roberts, C. F., *467*
Roberts, L., 22
Robertson, A., 66, 218, 336, 401, 442, 506, 617
Robinson, A., 149
Robinson, H. F., 409
Robinson, R. W., 256
Rochford, D. J., 491
Rogler, J. C., *477-483*, 483
Roper, J. A., 452, *621-622*, *626*
Ross, J., 141
Rothfels, K., 605
Rowlands, D. G., 238, 386
Russell, W. A., 356
Rutger, J., 141
Rutherford, T., 151
Ruttle, M., 141

Sachs, Y., 588
Sakai, K., 337
Salganik, R. I., 256
Sampson, D., 125
Samuel, C. J. A., *624*
Sandberge, K., 66
Sanger, R., 98
Sano, K., 336

Schell, P., 256
Schlesinger, C. V., 490
Schreiber, G., 604
Schwanitz, F., 466
Scossiroli, R. E., 337
Scossiroli-Pellegrini, S., 337
Scudo, F., *143-143*
Searle, A. G., *629*
Seaton, A. P. C., 238
Segel, E., 46
Sexsmith, E., 605
Shankel, D. M., *167*
Shanks, R., 605
Sharma, T., *146-149*
Sharman, G. B., 490
Sheppard, P., 97, 98, 188, 217, 277, 490, 524
Sherwood, E. R., 157
Shire, J. G. M., *314-315, 463*
Shreider, Yu A., 432
Sieglinger, J., 22
Simchen, G., 117, *387-402*, 401, 402, 452, 572
Simpson, D. M., 432
Singh, M., 561
Singleton, W. R., 311
Sinha, U. K., *474*
Siniscalco, M., 97
Sismanides, A., 442
Slen, S., 138
Smaragdova, N. P., 188
Smith, B. R., *162-163*
Smith, C. A. B., 97, 98
Smith, Janet, *469*
Smith, J. D., *166-167*
Snow, A. G., 245
Snowden, J., 22
Somers, J. M., *475*, 476
Somerville, J., *165*
Soule, Michael, *611-614*, 614
Southern, D. I., 605
Sparrow, A. H., 605
Spassky, B., 204
Spickett, S. G., 313-314, 442
Srb, A. M., 401
Stadler, L. J., 589
Stapf, O., 22
Stearn, W. T., 605
Stebbins, G., 21, 141, 218, 238, 300, 605, 611
Stephens, S. G., 218
Stephenson, W., 490
Stern, C., 157, 611
Stevens, J. M., 337, 356, 386
Stewart, J., *315-316*
Stich, H., 46
Stone, W., 66
Stormont, C., 66
Stout, A., 125
Streams, F. A., 218
Stubbe, H., 256, 457-458
Sturtevant, A. H., 204, 611
Subak-Sharpe, J. H., *162*
Suche, M. L., 204
Sun, S., 300, 386
Sunderland, N., 38, 605
Suzuki, A., 337
Svachulova, J., 337
Sven, B., 149
Swift, H., 38
Sybenga, J., *73-79*, 79

Tait, A., *628*
Takahashi, M., 432
Takaku, T., 204
Taylor, G., 98
Taylor, J., 125, 238
Tedin, O., 572
Teissier, G., 442
Thoday, J., 21, 22, 108, 218, 402, 442, 614
Thomas, D. Y., *163-164*
Thomas, H. L., 238
Thomas, R. L., 386
Thompson, J. B., 79
Thompson, K., 125, 238
Threlfall, R. J., *164*
Tilney-Bassett, Richard A. E., 621-622
Tischler, B., 149
Tjio, J. H., 149
Tolle, A., 66
Townsend, R. J., 245
Tucker, C. L., 431
Turesson, G., 218
Turner, John R. G., *471-472*
Turner, R. G., 238
Turrill, W. B., 218
Tutin, T. G., 605
Tyler, W., 66

Unrau, Paul, *471*

Van Valen, L., 238, 614
Van der Veen, J. H., 409, 572
Van't Hoff, J., 605
Vasenius, L., 66
Ved Brat, S., 605
Veleminsky, J., 337
Velez Fortuno, J., 588
Vendreley, C., 38
Vendrely, R., 38
Vickery, R. K., 218
Vines, A., 356, 409, 535
Vivan, A., *628*
Volpe, E. Peter, 317
Vosa, C. G., *625*

Waddington, C., 98, 218
Wahlund, S., 66
Walker, P., 38
Wallace, B., 337
Wallace, H., 46
Wallace, M. E., 611

Walls, L., *119-125*
Walters, M., *39-47*
Warburg, W., 605
Warburton, F. E., *151-152*
Warren, F. L., 490
Waters, N. F., 262
Watts, L., 125
Wearden, S., 300, 368, 386
Wellhausen, E., 22
Wexelsen, H., 238
Whitaker, T. W., 218
Whitehouse, H. L. K., 146
Whitten, M. J., *263-278*, 278
Whittington, W. J., 386
Wilcox, J. R., *239-245*, 245
Wilinson, G. N., 356
Wilkie, D., *163-164*
Wilkins, D. A., 218, 524
Williams, R. D., 551
Williamson, D. H., *473*
Williamson, M. H., 188
Wills, A. B., 621
Wilsie, C. P., 432
Wilson, J. F., 451
Wolda, H., 188
Wolstenholme, G., 314-315
Woods, R. A., *467-468*, *468*
Woolf, B., 491
Workman, P. L., 431, 432
Wright, A. J., *624*
Wright, S., 22
Wylie, A. P., 605

Yagine, E., 141
Yamada, Y., 337
Yamaguchi, H., 336
Yap, F., 141
Yasuda, N., 432
Yates, F., 356, 589
Yeager, A. F., 256
Yoshikawa, I., 336
Young, N. R., 237
Young, P. A., 256
Yu, S., 256

Zohary, D., 300, 524, 610

INDEX OF SPECIES

Abraxas grossulariata, 263
Aegilops comosa, 624
Agrostis, 221-224
  tenuis, 99-108, 206-217, 220, 226, 227, 237, 522
Alauda arvensis, 177
Allium, 45, 591-605
  angulosum, 592, 594
  ascolonicium, 591
  azureum, 592, 594
  cepa, 591-594, 599-602
  cernum, 592, 594, 597
  darwasicum, 592, 594
  dicipience, 592, 594
  fistulosum, 591, 592, 594, 599-602
  fragrans, 592
  fuscum, 592, 594, 597
  galanthum, 592, 594
  globosum, 592, 594
  hirsutum, 592, 594
  jesolianum, 592, 594
  karataviense, 592, 594, 596
  margaritaceum, 592, 594
  moly, 592, 597
  neapolitanum, 592, 594, 597
  odoratissimum, 592, 594
  pulchellum, 592
  roseum, 592, 594
  schoenoprasum, 592, 594
  senescens, 592, 594
  sibiricum, 592, 594
  stellatum, 592, 594
  subhirsutum, 592, 594
  triquetrum, 592, 594
  ursinum, 592, 597
  yunnanenes, 592
  zebdanense, 592, 594, 596
Anadara trapezia, 485
Anisantha sterilis, 172
Anthoxanthum, 101, 221, 222, 223, 224, 235, 236
  odoratum, 206-217, 220, 237
Antirrhinum magus, 67-72
Arabidopsis thaliana, 127-141, 321-337, 539-589
Arachis hypogea, 335
Aristelliger praesignis, 433
Ascobolus immersus, 474
Aspergillus, 443
  nidulans, 164, 165, 443-452, 467, 626, 627
  unguis, 451

Bacillus subtilis, 476
Biston betularia, 263
Blaberus, 73, 78
Brassica oleracea, 119-125

Campanula, 73
  perisicifolia, 74
Canna, 73, 79
Carduus vulgare, 172
Centaurea nigra, 172
Cepaea, 81, 88, 96
  hortensis, 169-188
  nemoralis, 169-188
Chironomus, 602, 603
  thummi thumii, 602
Chlamydomonas reinhardi, 143, 144
Chorthippus parallelus, 630
Clarkia, 219
  xantiana, 213
Coenonympha tullia, 611-614
Collybia velutipes, 571
Coprinus lagopus, 109
Crepis, 604

Dactylis, 279-300, 369-386
  glomerata, 172
Dictyostelium discoideum, 474
Drosophila, 1, 14, 15, 20, 45, 135, 136, 204, 205, 263-278, 335, 364, 387, 392, 418, 499, 621, 630
  melanogaster, 127, 199, 202, 203, 263, 321-337, 400, 433-442, 553, 563-572
  persimilis, 199
  pseudobscura, 199, 202
  robusta, 199
  virilis, 199, 202
  willistoni, 199-204

Epilobium hirsutum, 366, 367
Escherichia coli, 166, 469, 470, 471, 476

Festuca, 101
  ovina, 207, 365, 522
  rubra, 172

Gadus morhua, 629
Galeopis, 587
Galium, 101
Geranium robertianum, 213
Geum rivale, 213
Geum urbane, 213
Gilia, 205
  capitata, 213
Gramineae, 624

Hemizonia citrina, 213
  lutescens, 213
  luzulaefolia, 213
  rudis, 213
Homo sapiens, 317

Ixeris denticulata, 213

Lactuca canadensis, 213
  graminifolia, 213
Lamium amplexicaule, 213
Lathyrus, 603, 604
Layia platyglossa, 213
Leontodon autumnale, 213
Lilium longiflorum, 143
Limicolaria, 81
  aurora, 81
  flammulata, 81
  martensiana, 97
Linum, 25, 301-310
Lolium, 37, 101, 297, 299, 382, 603
  perenne, 357-368, 624
Lotus corniculatus, 172, 453-455
Luzula, 45
Lycopersicum, 247-256, 382
  esculentum, 135, 247-256
  pimpinellifolium, 135

Madia elegans, 213
Maniola jurtina, 205
Medicago sativa, 172
Melandrium, 382, 587
Mimulus guttatus, 213, 244
Natrix natrix, 433
Neurospora, 387, 400
  crassa, 162-163, 168, 443, 450, 627
Nicotiana, 220, 400, 602
  rustica, 135, 339, 527, 571

Oenanthe oenanthe, 177
Oenothera, 73

Papaver, 587
  dubium, 571
Papilio, 263
  dardanus, 205
Paramecium, 165, 628
  aurelia, 628
Paratettix texanus, 96
Partula suturalis, 189-198
  taeniata, 189-198
Periplaneta, 73, 78
Phymateus cinctus, 607-611
Physarum polycephalum, 474
Picris echoides, 172
Pinus, 382
  attenuata, 213
  radiata, 213
Pisum, 382
Plantago lanceolata, 172
Populus, 243
Pteridium, 101
Puccinia striiformis, 624
Puschkinia libanotica, 625

Ranunculus acer, 213
Rhizobium trifolii, 537, 538, 548, 551
Rhoeo, 73
Rumex acetosa, 213

Saccharomyces cerevisiae, 467-468, 468, 475
Salmonella, 470
Salvia apiana, 213
  mellifera, 213
Schizophyllum commune, 109-117, 387-402
Schizosaccharomyces pombe, 163
Secale, 297, 382
  cereale, 73
Silene cucubalis, 213
  inflata, 207
  maritima, 213
Solanum, 205
  tuberosum, 625
Solidago virgaurea, 213
Sordaria fimicola, 474
Sorghum asthipicum, 1-23
  almum, 1-23
  arundinaceum, 1-23
  bicolor, 1-23
  brevicarinatum, 1-23
  caffrorum, 1-23
  cordatum, 1-23
  durra, 1-23
  guineense, 1-23
  halepense, 1-23
  macrochaeta, 1-23
  purpureo-sericeum, 1-23
  roxburghii, 1-23
  sudanense, 1-23
  versicolor, 1-23
  verticilli florum, 1-23
  virgatum, 1-23
Streptanthus, 205
Streptocarpus, 366, 367
Streptomyces coelicolor, 628
Succisa pratensis, 213

Tetrahymena, 628
Tradescantia paludosa, 143
Tribolium castaneum, 477
Trifolium repens, 453-455
Triphaena comes, 263
Tripsacum, 18, 19
Triticum, 382
  aestivum, 623
Triturus, 45
Turdus ericetorum, 177

Ustilago maydis, 471

Vicia, 220
  faba, 591
  sativa, 591
Viola, 141
  tricolor, 213
Vitis, 140

Zea, 18, 19
  mays, 39-47
  perennis, 20

INDEX OF SUBJECTS

aceto-carmine, 302
acriflavine, 109
acyanic plants, 67, 69
adaptation, 212
adaptive character, 203, 219
additive gene action, 281
adenine resistance, 467-468
alien species, 623-624
allele, 67, 109
  histocompatibility, 152
  multiple, 95, 96, 109, 411
  neutral, 152
  non-stabilising, 68
  unstable, 67
  wild-type, 109
allelic frequency, 424, 425, 426, 427, 428
allelomorph, 263
allopatric divergence, 214, 215
alloploid, 19
  segmental, 19
amphibian oocyte, 39, 45
anastomosis, 449, 450
androgenesis, 629
aneuploidy, 328
anthocyanin, 67
antibody structure, 626
anticodon, 166, 167
antigen, 49
  red cell, 49, 50, 57, 65
  synthesis, 165
area effects, 169, 182
arginine inhibited revertants, 168
artificial insemination, 49, 50
association, 193, 194
assortative mating, 192, 388
  negative, 1, 15
  positive, 192
autoploid, 19
autoradiographic study, 39
autotetraploid, 19, 20, 301, 302, 304, 306, 309
  colchicine-induced, 37, 139-141
auxotrophic marker, 111, 112, 113
average fitness, 555

bacteria, 472, 476
bacterial proline auxotrophs, 168
bacteriophage, 476
  RNA, 472
barley, 135, 136, 339
base analogue, 247
base specific chemicals, 247-256
B chromosome, 164, 592
behaviour-genetic analysis, 460-463
biochemical genetics, 457
bivalent, 302-309
  non-interchange, 74
bivalve mollusc, 485-491
brassica, 220
breeding, 227
  random, 227
  system, 219, 220, 225
brussels sprout, 120-125

cabbage, 119-125
capture-recapture, 172, 181
catabolism of deoxynucleosides, 470-471
cattle, 49-66
  blood groups, 49-66
  differential fertility, 53
  differential viability, 63
  heterozygous superiority, 53, 58, 65
  incomplete family data, 49-66
  maternal-foetal incompatibility, 53, 57
  population studies, 49-66
  selection studies, 49-66
  transferrins, 49-66
cauliflower, 124
centromere, 78, 79, 200
  location, 73, 629
chemical variant, 162
cherry, 140
chiasma, 73
  formation, 625
  frequency, 302-307, 309, 607-611
  localisation, 73
  terminalisation, 73, 78
chlorophyll, spectrophotometric determination, 369
chromatid, 199
  recombinant, 199
chromosome, 25, 46, 199, 200, 201, 247, 301, 308
  aberration, 333
  abnormalities, 159
  acrocentric, 146, 147, 149
  attenuated, 40
  complement, 37
  configuration, 37
  counts, 93, 96
  frequency, 94, 96
  heterochromatic segment, 602
  homologous, 254, 271, 272, 303, 309, 600
  lampbrush, 39, 44, 45, 46
  length, 37, 199, 200, 601
  lethal, 200
  non-homologous, 203, 600
  number, 604
  pairing, 74, 144, 145, 302, 303

chromosome (*contd.*)
polytene, 39, 44, 45, 46
replication, 473
rigidity, 73, 79
salivary, gland, 200
satellite, 74, 146-149
sex, 119, 261, 262
size, 37, 600, 603
somatic, 25
strands, 43
volume,
wild, 200
chromosome practice, primer of, 621
chromosome segment, duplication of, 601
supernumerary, 630
cline, 522
latitudinal, 485-491
coefficient of inbreeding, 142
coefficient of variation, 422
colchicine, 301
colicin, 471
combining ability, general, 358, 574
specific, 574
compatibility, 119-125, 207
levels of, 119-125
self, 220
complementary gene action, 382
complementation, 251, 254
interallelic, 115
computer simulation, 235, 236, 237, 411, 515, 555, 558, 560
conditioning, 301
contagion, 414
copper tolerance, 99-108, 522
index of, 102, 103
corn, 477
corn oil sensitivity, 477-483
correlated gene distribution, 403
correlation, 4, 123
matrix, 4
parent/offspring, 333
cotton, 205, 263, 412, 413, 418, 587
crop development, 1-23
cross-compatibility, 279-300
crossing over, 89, 199, 201-204, 261, 268, 270, 273
potential, 74, 75
reciprocal, 89
somatic, 203
suppression, 199, 202, 203
crossing potential, 446, 447
currant moth, 263
cytochrome C reductase, 627
cytological preparation, thermo-electric cooling, 149-151
cytoplasmic determinant, 476
segregation, 398

Dark repair system, 163
de Finetti diagram, 163
deletion, 327, 584, 586, 587, 604
density function, 421, 422
deterministic model, 425
developmental canalisation, 86
developmental stability, 574
differential viability, 69
dikaryon, 111, 113, 114
dipteran larva, 39, 45
disease resistance, 623-624
dispersion, 412
disruptive selection, 1-23
dissociation, 202
divergence, 214
DNA, 25-39, 45, 255
base ratios, 591
hybridisation, 628
nuclear, 301, 309, 591-605
mitochondrial, 473
replication, 476
studies, 626
synthesis, 472, 476, 625
temperature sensitive synthesis, 476
dominance, 281, 283, 288, 292, 299, 380
ambidirectional, 297, 300, 382, 385
directional, 286, 288, 292, 297, 299, 300, 376, 381, 382
modification, 586
relationship, 72
variation, 370
drift, 50, 441
genetic, 50
drug resistance, 163-164
drugs, 314-315
duplicate genes, 292, 569
duplication, 327, 584, 586, 603, 604

Eastern cotton wood, 239-245
ecological, 16, 187
boundary, 214
habitat, 20
isolation, 187
niche, 16
ecotype, 104, 106, 212, 213, 216, 364, 365
effective factor, 534
effective population size, 49
egg hatchability, 568
egg plant, 412, 414, 587
electrophoresis pattern, 487
elementary genetics, 311-312
endocrine genetics, 313-314
endoploidy, 140
environmental heterogeneity, 507
stress, 127-141
variability, 387
episome, 309
epistasis, 281, 504, 505, 578
epitroph, 32, 33, 37, 38
equilibrium, genotypic, 411
stable, 411, 412, 420, 423, 429, 557, 558, 559
equilinear inheritance, 25
ethyl methane sulphonate, 110, 116
eurokaryotes, segregation in, 473-474

evolution, 99-108, 205-218, 317
in adjacent populations, 99-108, 205-218, 219-238, 507-524
of cultivated plants, 466
of dominance, 263-278, 517, 521, 522, 523
of species, 411
expressivity, 247, 257-260
extra-nuclear component, 367
eye defect, 157

fatty acids, 480, 482, 483
saturated, 481, 483
unsaturated, 481
Feulgen photometry, 25, 27, 38, 593
fish, 629
Fisher's *k*-statistics, 412
fitness, 433, 436, 440, 441
relative, 151, 152
maximum, 434, 441
flax, 25-38, 301, 309
fowl, 257-262
foxtail millet, 414, 417

Galton ratio, 155-156
gametic gene ratio, 52, 59-62
gene, 49, 203
action, 468
associated, 299
asymmetry, 283, 288, 292, 297, 371, 373, 374, 381
complementary, 299
control, 67
conversion, 45, 474-475
correlated, 283
cytoplasm interaction, 299, 385
dominance modifier, 517
dominant, 299
duplicate, 299
flow, 1-14, 15, 18-20, 99-101, 103, 107, 108, 180, 185, 187, 219, 220, 227, 229, 230, 233-237, 489, 507, 508
frequency, 49-53, 59, 61, 62, 64, 65, 93, 96, 231, 233, 423
grass dwarf, 623
interaction, 283, 292, 411, 570
major, 263, 271, 275, 277
mimic, 252
modifier, 72, 258, 263, 274, 275
self fertility, 231
sex linked recessive, 257, 262
stabiliser, 68, 69, 71, 72
genetic analysis, 254, 623, 628
architecture, 333, 335, 404, 407, 408, 522, 570, 571, 586
control, 263-278
deterioration, 471
isolate, 628
load, 230, 231, 471, 514
organisation, 347-368
potential, 239
genetic analysis (*contd*)
recombination, 505
replication, 471
system, 202, 203, 263
variance, 191, 239, 266, 279-300, 329, 369-386, 387-402
additive, 191, 198, 283, 288, 292, 358, 493
genotroph, 25-38, 301, 304, 306, 309, 310
genotype-environmental interaction, 127-141, 339-356, 495
in crosses, 339-356
in inbred lines, 339-356
linear function of, 339-356
non-linear interactions, 525-535
geographical clines, 450
giant puff, 44
glyoxylate cycle, 469
grouse locust, 96
gynogenesis, 629

haemoglobin, 485-491
polymorphism, 485-489
Hardy-Weinberg, 50, 420, 487, 490
equation, 448
equilibrium, 50-54, 59-65, 91-97
hatchability, 259
heritability, 99, 189, 191, 192, 193, 194, 195, 198, 223, 239-245, 266, 407
broad, 222, 243, 244
realised, 503
heterokaryon, 109, 110, 111, 113
heterokaryon incompatibility, 443-452
heterokaryosis, 443, 450
heterosis, 129, 135, 136, 288, 292, 297, 373, 563-572
temperature dependant, 135
heterothallism, relative, 448
heterozygosity, 288, 299, 380, 509, 512, 516, 517, 518, 554, 569, 570, 577
heterozygote, 95
advantage, 63, 64, 127-141, 412, 420, 429, 522, 523
double, 95
frequency, 513
HNO_2, 109
homograft compatibility, 468
homokaryon, 109, 110, 111, 114
homologous loci, 255
homologue, 202, 203, 599
hormones, 468
human radiation, 458-459
hybrid index, 4-17, 20
hybrid swarm, 15

immunological mechanism, 57
reaction, 151, 152
inbreeding depression, 123-125, 223, 226, 234, 236, 494
system, 142-143

incompatibility, 207, 216, 217
barrier, 207
factors, 387-402
heterokaryon, 443-452
locus, 109
system, 109-117
induced chromosomal changes, 301-310
heritable changes, 25
inheritance of shell size, 189-198
instability, 398, 400
PAL locus, 67-72
interacial crosses, 158
interallelic complementation, 115
interchange, 73, 78, 74, 600
heterozygote, 73
interstitial, 74
multiple, 73-79
quadrivalent, 74
interchange orientation, alternate, 73, 74, 75, 76, 77, 78, 79
adjacent, 73, 78, 79
interferometry, 31
inter-varietal substitution, 623
introgression, 2, 9, 16, 17, 18, 19, 20
inversion, 199, 202, 203
chromosomal, 202, 203, 204
heterozygous, 199, 200, 202, 203, 204
median, 201
pericentric, 200
inverted segment, 199, 202
irradiation, accumulated ancestral, 630
isoenzyme, 628
isolating mechanism, 18, 212, 214, 216, 523
isolation, 205-217
reproductive, 1, 15

kale, 122, 123, 121, 124, 125
curled, 119
marrow stem, 119
karyotype analysis, 25
kohl rabi, 121-125
kurtosis, 412, 423, 430

lead tolerance, 522
leptokurtosis, 419
lethal deletion, 626-627
lima bean, 418
linear regression, deviations from, 526, 535
linkage, 411, 504
disequilibrium, 406
distance, 264
coupling, 406
linseed, 27
locus, histocompatibility, 151
lysenkoism, 312

maize, 18-21, 71, 72, 339, 364, 477, 584, 586, 587
man, 146-149, 159, 463, 468
map distance, 271, 273
Markov chain, 421
maternal control, 563-572
maternal effect, 193, 194, 198, 268, 281, 357, 358, 364, 577
mating preference, 15
mating-type determination, 388
factors, 392-401
matrilinear inheritance, 364
Mendelian ratio, 153-156
metachromatic staining, 40, 41
metal mine, 205
boundary, 205, 220
metal tolerance, 99, 206, 207, 216, 220, 236
millet, 412
mitochondrial genetics, 163, 164
mitosis, regulation of, 164
mitotic instability, 626
mixed selfing, 411-432
modifier, 274, 275
distance, 271
dominance, 275
gene, 72, 258, 263
molecular genetics, 465-466
morphogenetic substance, 275
mouse, 151, 387, 629
multiple orientation, 76
multiple tests, simultaneous, 614-617
multivalent, 73, 602
association, 600
chain, 73
ring, 73
mutagen, 247, 249, 254, 255, 256, 469
chemical, 247, 252-256, 587
specificity, 168
mutant, auxotrophic, 448
recessive, 252, 255
resistant to chlorinated nitrobenzene, 164
temperature sensitive, 471, 476
UV sensitive, 469-470
mutation, 109-117
analysis, 247-256
base change, 470
cytoplasmic, 577
frequency of, 67-72, 254
induced, 247, 249, 251, 252, 253, 457-458
major gene, 322, 331, 333
radiation induced polygenic, 573-589
rate, 203, 254, 255
recessive lethal, 200
recurrent, 558-587
spectrum, 252, 254
spontaneous, 252, 328, 330
to prototrophy, 166
UV induced, 167

nebennucleoli, 39-41, 44, 46
nitrate reductase, 627
mutational form of, 627
nitrogen fixation, 537, 548, 550
nodule formation, 551
time of, 544

nodule number, 541, 544
  size, 541, 545
non-allelic interaction, 288, 321, 335, 380, 403, 493, 565, 567, 569
nuclear body, 39-41, 44, 46
nuclear changes, 25-38
  cytoplasmic interaction of, 373, 385
  in dry mass, 31, 37, 38
  migration, 110
  in volume, 31, 32, 37, 38
nucleolus, 31, 40-46
  organising region, 43, 44
  size, 44

oats, 587
outcrossing, parameter, 411-432
  rate, 411-428
overdispersion, 412, 414, 418, 419, 430
overdominance, 283, 286, 299, 429, 519-523, 553, 569-571

panmictic index, 142
papillary patterns, 460
parasexual cycle, 443
parasexuality, 450
peach, 140
penetrance, 257-260, 262
phenetics, 611-614
phenylketonuria, 478
phenotypic plasticity, 366
physiological genetics, 315
physiology,
  animal, 315
plasmogamy, 450
plasmon, 362, 364, 366, 367
plastid, 621-622
pleiotropy, 235, 332, 334, 335
pollen dispersal, 523
  flow, 509
polycross, 99
polygenes, 275, 276, 277
polygenic control, 274
polygenic mutation, 321-337
  radiation-induced, 321-337
polymorphic form, 186
polymorphism, 1, 18, 49, 50, 63, 81-98, 176, 180, 186, 202, 411, 429-431, 485, 515, 517, 522
  balanced, 56, 151, 152, 558
  biochemical, 485, 312, 313
  chromosomal, 202
  chromosomal inversion, 204
  cyanogenic, 453-455
  histocompatible, 151, 152
  morphological, 485
  protein, 49
  shell, 189
  transient, 558
  in W. African snails, 81-98
polynemy, 37, 309, 603
polyploid, 19, 20, 139
  series, 592
polyploidy, 19, 21, 140, 328, 603, 604
  induced, 139
polysomy, 603
polytene cell, 44
population, 18, 205
  allopatric, 205
  closely adjacent, 205-218
  genetics, 90
  geographically limited, 319
  divergence, 99, 100, 107, 108
  metal non-tolerant, 99, 103, 108
  metal tolerant 99, 103, 108, 220, 515
  mine, 206, 207, 212, 214-217, 220, 223, 226, 234-237
  natural, 611-614
  polymorphic, 18, 186
  size, 187
  sympatric, 205
porphyria, 464
poultry, 136
predation, bird, 172, 177, 180, 185, 187
predator-prey system, 430
premetaphase stretch, 73, 78, 79
primate immunology, 465-466
protein, 45, 475
  synthesis, 45
prototrophic mutants, 468
pseudocompatibility, 120

quadrivalent, 73, 302-309
  chain, 73, 74, 78
  ring, 73, 74, 78
quercetin-3-glucoside, 72

radiation, 143
  fractionated doses of, 143
  ^{60}Co gamma, 322
random fluctuation, 411
random mating, 411-432
raspberry, 139-141
reciprocal cross, 207, 266, 302, 305, 309, 396, 398
reciprocal difference, 257, 281, 283, 288, 292, 366, 371, 373, 374, 380-382, 385, 564
reciprocal effect, 300, 373
reciprocal hybrid, 583
reciprocal matings, 56, 63, 264
recombination, 143, 162-163, 199-204, 261, 271, 399, 471
  fraction, 82, 96, 407, 555
  frequency of, 143, 144
  intrafactor, 399
  parasexual, 443
  rate, 203
  sexual, 443
recurrence equation, 229, 509
red clover, nodulated, 537-551
regression coefficient, 178
replication, 472, 476
reproductive isolation, 1, 15
repulsion, 271

ribonucleoprotein structure, 39-47
RNA, 39, 40, 43, 44
  hybridisation, 628
  nuclear, 39
  nucleolar, 43, 44
  ribosomal, 625
  structure, 45
  synthesis, 44, 45
  transfer, 166-167
Robertson effect, 51, 52, 63, 65
rodent predation, 177, 178, 179, 185, 187
rye, 74, 76, 78, 139, 164
ryegrass, 357, 364, 365, 367, 587

seed flow, 509, 523
seedling characters, 279-300
segmental interchange, 600
segments, 74
  interchanged, 74
  interstitial, 74
segregation, 264
selection, 14, 50, 97, 125, 235, 507, 508
  artificial, 123, 263, 266, 387
  asymmetry of response to, 332, 494
  coefficient of, 104, 152, 230, 510, 512, 513, 516, 518
  differential, 500, 501, 503
  directional, 14, 198, 334, 430, 493, 563, 570, 571
  disruptive, 205
  flowering time, 321-337
  heterozygous, 63
  human, 14, 15
  intensity, 120, 123, 124, 187, 230, 234, 509
  line, 32, 33
  mass, 119
  natural, 14-16, 107, 163, 169-188, 199, 216, 333, 387, 403, 437, 439-441
  parameter, 411-432
  phenotypic, 32
  physiological, 186
  pressure, 14, 15, 96, 97, 99, 106-108, 180, 185, 207, 225, 226, 231, 236, 237, 419, 508, 509, 511, 512, 515, 521
  response to, 266, 272, 273, 324-326, 328-330, 332, 387, 391, 399, 495, 563
  reverse, 399-401
  short term, 493-506
  somatic, 367
  stabilising, 198, 299, 334, 382, 433-442, 553-561, 617-620
selective advantage, 115, 151, 152, 297, 485, 489, 519, 554, 560
selective disadvantage, 276, 299
selective eating, 453
selective force, 49, 176, 178, 185, 186
selective mechanism, 45
selective value, 198, 418, 419, 421, 428, 429
self-compatibility, 121-125
self-fertility, 219-238
self-incompatibility, 120-125
  sporophytic, 119, 120
senescence, 475
  in fungi, 475
shell banding, 173-175
  cline, 173-177, 184-187
significance level, 614-617
simulation of models, 411-432
simulation study of genealogies, 628
skewness, 412
slime mould, 474
somatic crossing over, 140
sorghum, 587
speciation, 205, 214, 216, 217
  sympatric, 217
spotted, 69
sprouting broccoli, 119, 120, 122, 123, 125
stability, 399
  phenotypic, 127, 131-137, 399
sternopleural chaeta, 571
stochastic process, 495, 496, 504, 505
stochastic variation, 411-432
Student's test, 178
subchromatid, 148
subterranean clover, 587
super-gene, 81, 96, 186
survival rate, 16
symbiotic effectiveness, 537-551
symmetrical development, 270
sympatric speciation, 217
synizetic knot, 40, 41, 44
Syrian hamster cell, 162

temperature gradient, 489
teosinte, 18, 19, 21
tetraploid, 1, 19, 20, 37
tobacco, 587
tomato, 412, 414, 416
translocation, genetic analysis, 165
  intercrosses, 629
trivalent, 302
tuber-skin colour, 625

univalent, 302

variation, 403-409
  additive, 403-409
  dominance, 403-409
  epistatic, 403-409
variegated position effect, 165
vernalisation, 283
viability, variation in, 630

Wahlund effect, 51, 52, 63, 64, 65
wheat, 623, 623-4
winglessness, 257-262
  sex-linked, 257-262

yeast, 469-470, 473, 475, 476